

# Converting Colors

Hex(E89300)

Have a look what the booklet for  
Hex(E89300) contains.

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**Color**

**Hex(E89300)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E89300                      |
| RGB         | 232, 147, 0                 |
| RGB Percent | 91%, 58%, 0%                |
| CMY         | 0.0902, 0.4235, 1.0000      |
| CMYK        | 0.00, 0.37, 1.00, 0.09      |
| HSL         | 38°, 100%, 45%              |
| HSV         | 38°, 100%, 91%              |
| XYZ         | 43.7124, 38.0232, 5.0353    |
| YIQ         | 155.6570, 97.8470, -27.6970 |

# Conversions

## Conversions Part 2

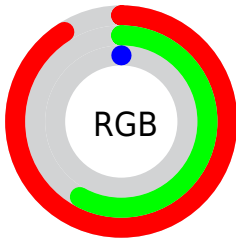
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">134, 232, 0</a>                 |
| Decimal                             | <a href="#">15241984</a>                    |
| CIELab                              | <a href="#">68.04, 23.71, 73.10</a>         |
| CIElCh                              | <a href="#">68, 76.854, 72.028</a>          |
| Yxy                                 | <a href="#">38.0232, 0.5038, 0.4382</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4293432064<br/>(0xFFE89300)</a> |
| YUV                                 | <a href="#">155.6570, -76.7389, 66.9528</a> |
| Hunter-Lab                          | <a href="#">61.6630, 18.6271, 38.3225</a>   |

# Details

The Hex color **E89300** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **0055E8**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **FFC94B**, and **AA6000** is the 20% darker color. If you saturate the color by 10%, you get **E89300**, and if you desaturate by 10%, it is **E89B17**.

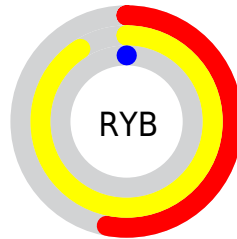
# Distribution



Red (91%)

Green (58%)

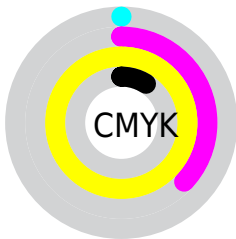
Blue (0%)



Red (53%)

Yellow (91%)

Blue (0%)

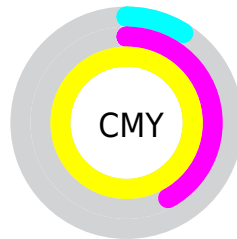


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (42%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E89300 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color E89300 by changing the saturation by 10% instead.



 E89300

 E89300

FFFFFF

 C97900

 FFC94B

 AA6000


 FFE567

 8C4800

 FFFF83

 6E3100

 FFFF9F

 511B00

 FFFFBB

 360500

 FFFFD8

 1D0001

 FFFFF5

 000000

 E89300

 E89B17

 E8A42E

 E8AC46

 E8B55D

 E8BE74

 E8C68B

 E8CFA2

 E8D7BA

 E8E0D1

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



FF744B



E89300



ACAB00

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



E89300



00C6C1



CC86FF

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



E89300



0055E8

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2DA5FF



E89300



00C3FF

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



E89300



00C378



00B9FF



FF66D2

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



E89300



7BB719



00B9FF



A991FF



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



E89300



FFE3B3



E80055



806F52



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



E89300



FFA200



C9E800



736F67



B37100



332000



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



0055E8



005DFF



1F00E8



676B73



0041B3



001333



# Previews

## White Background



This preview shows how the Hex color E89300 looks on a white background.

## Color Contrast Check

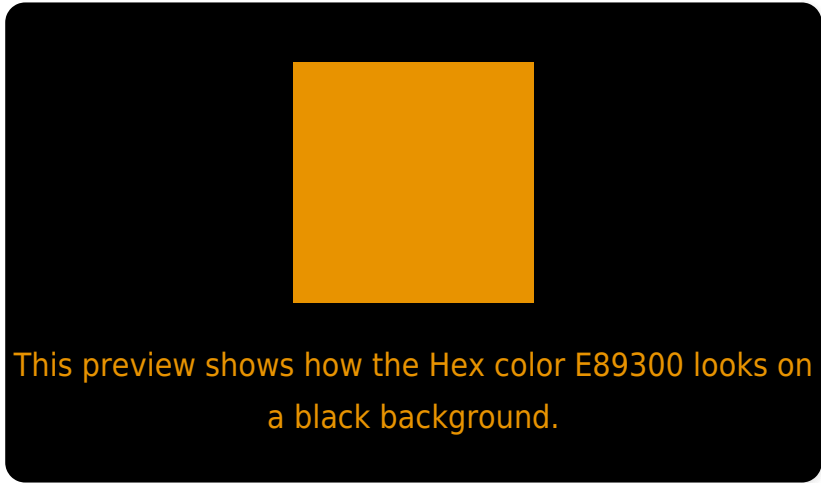
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex E89300 Background



This preview shows how black text looks on a background with the Hex color E89300.



This preview shows how white text looks on a background with the Hex color E89300.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
E89300

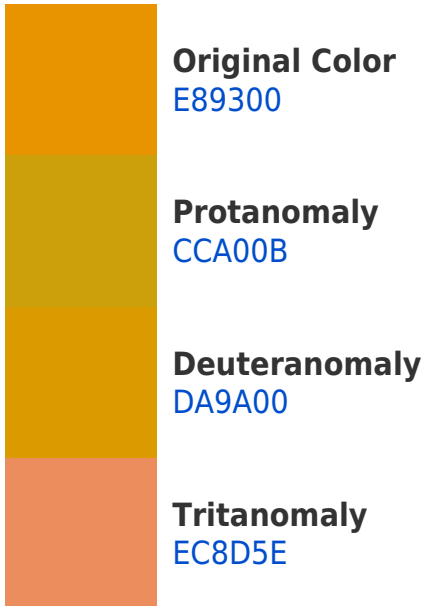
**Protanopia**  
BCA711

**Deuteranopia**  
D29E00



**Tritanopia**  
EE8993

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E89300 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #E89300 looks like.

```
.text, #text, p{  
    color:#E89300  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #E89300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E89300
}
```

## Border

The CSS property to change the border of an element to Hex E89300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#E89300 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#E89300 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #E89300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E89300; -webkit-box-shadow:4px 4px  
4px 4px #E89300; box-shadow:4px 4px 4px  
4px #E89300 }
```

# Background

The CSS property to change the background color of an element to Hex E89300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E89300 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#E89300 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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